

ENDURING RESOURCES, LLC

425 Seventeenth Street, Suite 1500

Denver, Colorado 80202

Telephone: 303-573-1222

Facsimile: 303-573-0461

October 19, 2005

State of Utah
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Attention: Ms. Diana Whitney

**RE: Request for Exception Well Location
Bonanza 5-20-9-25 Well
472' FWL – 1,952' FNL
Sec. 30, T9S-R25E, SLB&M
Uintah County, Utah**

Dear Ms. Whitney:

Enduring Resources, LLC respectfully requests a spacing exception for the above-referenced well. The well was moved from the center of the forty-acre spacing.

The well is located at **472' FWL – 1,952' FNL** of Section 20.

The location was moved due to topographic considerations and access.

Enduring Resources, LLC is the only lease owner within a 460' radius of the well stake.

Therefore, Enduring Resources, LLC hereby grants itself permission for the exception well location.

Should you have any questions concerning this matter, please do not hesitate to call 303-350-5114 (aarlian@enduringresources.com).

Very truly yours

ENDURING RESOURCES, LLC



Alvin R. (Al) Arlian
Landman – Regulatory Specialist

ara/

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OCT 24 2005
DIV. OF OIL, GAS & MINING

ENDURING RESOURCES, LLC

425 Seventeenth Street, Suite 1500

Denver, Colorado 80202

Telephone: 303-573-1222

Facsimile: 303-573-0461

October 19, 2005

State of Utah
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt lake City, Utah 84114-5801

Attention: Diana Whitney

**RE: Bonanza #5-20-9-25
Application for Permit to Drill**

Dear Ms. Whitney

Attached are two original applications to drill for the above-referenced proposed well. This information has also been submitted to the State of Utah, Institutional Trust Lands Administration.

Enduring Resources, LLC respectfully requests that this information, and future information, be hold confidential.

Should you have any questions concerning this matter, please do not hesitate to call (303-350-5114)

Very truly yours

ENDURING RESOURCES, LLC



Alvin R. (Al) Arlian
Landman – Regulatory Specialist

ara/

Attachments as stated:

cc: State of Utah – School and Institutional Trust Lands Administration w/ attach.
675 East 500 South, Suite 500
Salt Lake City, Utah 84102
Attention: Ed Bonner

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		5. MINERAL LEASE NO: ML-45558	6. SURFACE: State
		7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. UNIT or CA AGREEMENT NAME: Bonanza	
2. NAME OF OPERATOR: Enduring Resources, LLC		9. WELL NAME and NUMBER: Bonanza #5-20-9-25	
3. ADDRESS OF OPERATOR: 475 17th St., Ste 1500 CITY: Denver STATE: CO ZIP: 80202 PHONE NUMBER: (303) 350-5114		10. FIELD AND POOL, OR WILDCAT: Undesignated Wildcat	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 472' FWL - 1,952' FNL 659412 X 40.02 3 276 AT PROPOSED PRODUCING ZONE: Same 4431802 Y -109.131939		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 20 9S 25E S	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 46 miles south of Vernal, UT		12. COUNTY: Uintah	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 472'	16. NUMBER OF ACRES IN LEASE: 640	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40 acres	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 1,300' +	19. PROPOSED DEPTH: 6,010	20. BOND DESCRIPTION: RLB0008031	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5665' GR ungraded	22. APPROXIMATE DATE WORK WILL START: 12/1/2005	23. ESTIMATED DURATION: 20 days	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
20"	14" line pipe	40	3 yards	Ready Mix		
11"	8-5/8" J-55 24#	2,000	Premium Lead	136 sxs	3.50	11.13
			Premium Tail	138 sxs	1.15	15.8
7-7/8"	4-1/2" N-80 11.6#	6,010	Class G	56 sxs	3.91	11.0
			50/50 Poz Class G	790 sxs	1.29	14.1

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- ☒ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- ☒ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
- ☒ COMPLETE DRILLING PLAN
- ☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

CONFIDENTIAL

NAME (PLEASE PRINT) Alvin R. (Al) Arlian TITLE Landman - Regulatory Specialist

SIGNATURE [Signature] DATE 10/19/2005

(This space for State use only)

API NUMBER ASSIGNED: 43-04737314

**Approved by the
Utah Division of
Oil, Gas and Mining**

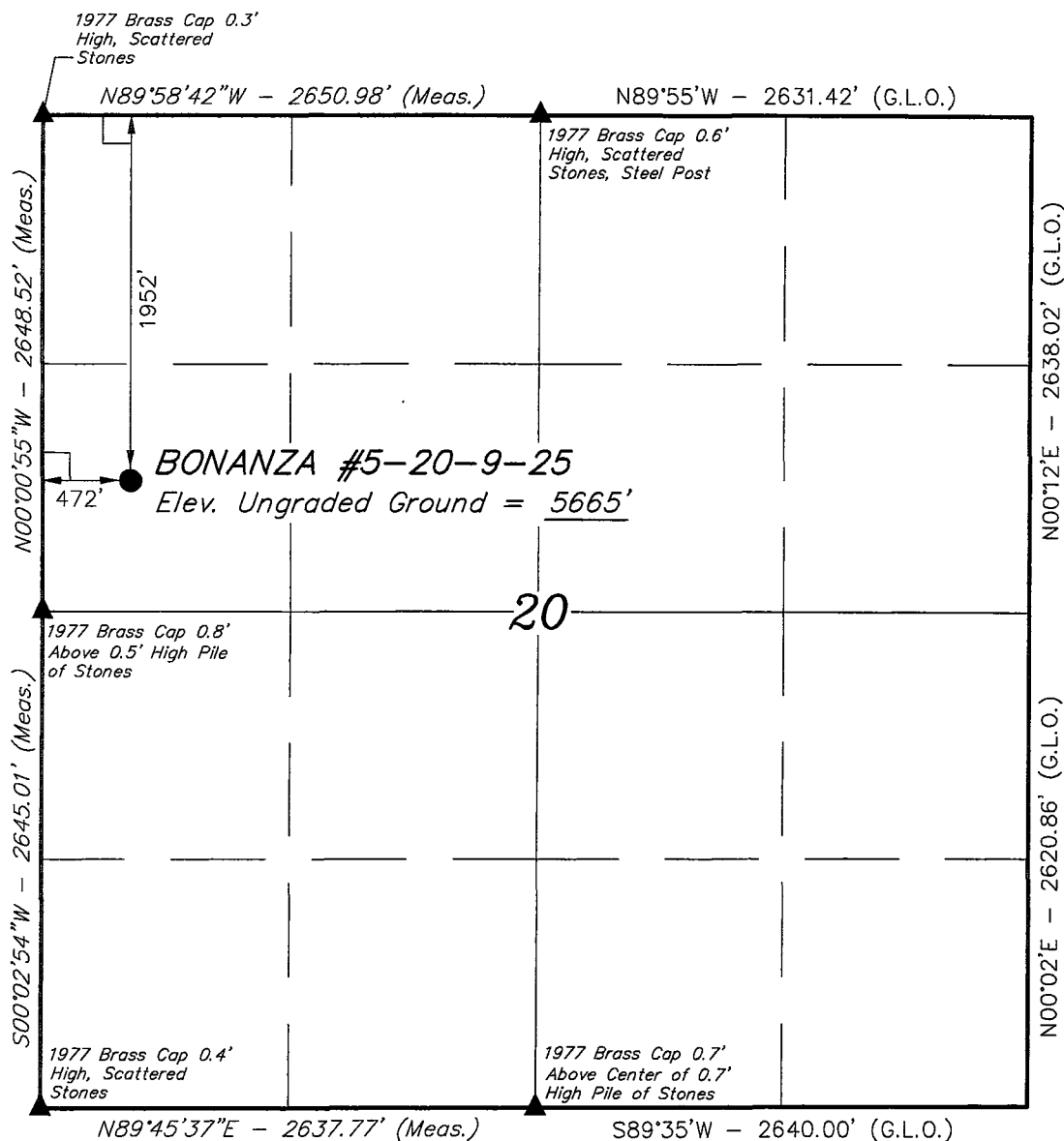
Date: 11-29-05

By: [Signature]

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T9S, R25E, S.L.B.&M.



LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(AUTONOMOUS NAD 83)
 LATITUDE = 40°01'23.79" (40.023275)
 LONGITUDE = 109°07'57.69" (109.132692)
 (AUTONOMOUS NAD 27)
 LATITUDE = 40°01'23.91" (40.023308)
 LONGITUDE = 109°07'55.28" (109.132022)

ENDURING RESOURCES, LLC

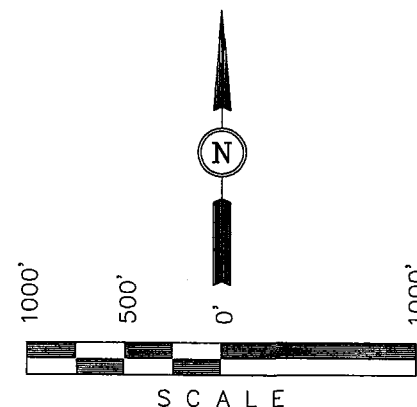
Well location, BONANZA #5-20-9-25, located as shown in the SW 1/4 NW 1/4 of Section 20, T9S, R25E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK (45 EAM) LOCATED IN THE NW 1/4 SW 1/4 OF SECTION 34, T8S, R24E, S.L.B.&M. TAKEN FROM THE BONANZA, QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5350 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

[Signature]
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
 85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 09-12-05	DATE DRAWN: 09-19-05
PARTY N.H. D.S. P.M.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE ENDURING RESOURCES, LLC	

Enduring Resources, LLC
Bonanza #5-20-9-25
SWNW Sec. 20 T9S-R25E
Uintah County, Utah
Lease # ML-45558

ONSHORE ORDER 1 - DRILLING PLAN

1. Estimated Tops of Geological Markers:

<u>Formation</u>	<u>Depth (K.B.)</u>
Uinta	Surface
Green River	285'
Wasatch	2,440'
Mesaverde	3,790'
Buck Tongue	5,960'

2. Estimated Depths of Anticipated Water, Oil, Gas or Other Minerals: (5685' estimated KB)

Substance	Formation	Depth (K.B.)
	KB-Uinta Elevation: 5,665'	
Oil / Gas	Green River	285'
Oil /Gas	Wasatch	2,440'
Oil /Gas	Mesaverde	3,790'
	Estimated TD	6,010'

An 11" hole will be drilled to approximately 2000 feet. The depth will be determined by the depth that the Birds Nest zone is encountered. The hole will be drilled 400 feet beyond the top of the Birds Nest zone and surface casing will be set.

3. Pressure Control Equipment: (3000 psi schematic attached)

- A. Type: Eleven (11) inch double gate hydraulic BOP with eleven (11) inch annular preventer on 3,000 psi casinghead, with 3,000 psi choke manifold equipped per the attached diagram. BOPE as specified in *Onshore Oil & Gas Order Number 2*. A PVT, stroke counter and flow sensor will be installed to check for flow and monitor pit volume.
- B. Pressure Rating: 3,000 psi BOPE
- C. Kelly will be equipped with upper and lower Kelly valves.

D. Testing Procedure: Annular Preventer

At a minimum, the annular preventer will be pressure tested to 50% of the stack rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition to the above, the annular preventer will be functionally operated at least weekly.

Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition to the above, the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

E. Miscellaneous Information:

The blowout preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*.

Directional surveys will be dropped every 2000 feet. Maximum allowable angle is 5 degrees.

4. Proposed Casing & Cementing Program:**A. Casing Program: All New**

Hole Size	Casing Size	Wt./Ft.	Grade	Joint	Depth Set (md)
20"	14" O.D.				40'
11"	8-5/8"	24#	J-55	ST&C	0 – 2,000' est
7-7/8"	4-1/2"	11.6#	N-80	LT&C	0 – 6,019'

The surface casing will have guide shoe, 1 jt., insert float collar. Centralize the shoe joint with bowspring centralizers in the middle and top of the joint and the next 16 joints with bowspring centralizers on every other collar (8 centralizers total). Thread lock guide shoe.

Casing string(s) will be pressure tested to 0.22 psi/foot of casing string length or 1500 psi, whichever is greater (not to exceed 70% of the internal yield strength of the casing), after cementing and prior to drilling out from under the casing shoe.

B. Casing Design Parameters:

Depth (md)	Casing	Collapse(psi)/SF	Burst (psi)/SF	Tension(mlbs)/SF
40'	14"			
2000'	8-5/8", 24#/ft, J55, STC	1370/1.53(a)	2950/3.30(b)	244/5.85(c)
6,010	4-1/2", 11.6#/ft, N-80, LTC	6350/2.03 (d)	7780/2.70 (e)	223/3.72 (f)

- (a.) based on full evacuation of pipe with 8.6 ppg fluid on annulus
- (b.) based on 8.6 ppg gradient with no fluid on annulus
- (c.) based on casing string weight in 8.6 ppg mud
- (d.) based on full evacuation of pipe with 10.0 ppg fluid on annulus
- (e.) based on 9.2 ppg gradient, gas to surface, with no fluid on annulus, no gas gradient
- (f.) based on casing string weight in 9.2 ppg mud

PROPOSED CEMENTING PROGRAM**Surface Casing (if well will circulate) - Cemented to surface**

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft ³ /sx)
8-5/8"	Lead	1500	Premium cement, + 16% gel, + 0.25 pps celloflake	136	25%	11.1	3.50
8-5/8"	Tail	500	Premium cement +2% CaC ₂ +0.25 pps celloflake	138	25%	15.8	1.15

A cement top job is required if cement fallback is greater than 10' below ground level. Top job (weight 15.8 ppg, yield 1.15 ft³/sx) cement will be premium cement w/ 3% CaCl₂, +0.25 pps celloflake. Volume as required

Surface Casing (if well will not circulate) - Cemented to surface

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft ³ /sx)
8-5/8"	Lead	500	Premium cement + 2% CaCl ₂ + 0.25 pps celloflake	138	25	15.8	1.15
8-5/8"	Top job	As req.	Premium cement + 3% CaCl ₂ , + 0.25 pps celloflake	As Req.		15.8	1.15

Production Casing and Liner - Cemented TD to 300' above base of surface casing

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft ³ /sx)
4-1/2"	Lead	740	Class "G", + 5% NaCl, + 12% Gel, +0.25 pps celloflake, + 0.2% antifoam, +0.25% fluid loss + 1% extender	56	25	11.0	3.91
4-1/2"	Tail	3579	50/50 POZ Class G + 2% gel, +1% CaCl ₂ + 0.2% dispersant, + 0.2% fluid loss, + 0.1% antifoam	790	25	14.1	1.29

Cement volumes for the 4-1/2" Production Casing will be calculated to provide a top of cement to 300' above base of surface casing. Cement volumes are approximate and were calculated under the assumption that a gauge hole will be achieved. Actual cement volumes may vary due to variations in the actual hole size and will be determined by running a caliper log on the drilled hole. Actual cement types may vary due to hole conditions and cement contractor used.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

5. Drilling Fluids (mud) Program:

Interval	Mud Weight	Fluid Loss	Viscosity	Mud Type
0' - 2000'		No cntrl		Air/mist
2000'-3000'	8.4-8.6	No cntrl	28-36	Water
3000'-6010'	8.8-10.2	8 - 10 ml	32-42	Water/Gel

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blowout will be available at the well site during drilling operations.

6. Evaluation Program:

Tests: No tests are currently planned.

Coring: No cores are currently planned.

Samples: No sampling is currently planned.

Logging

- Dual Induction – SFL /Gamma Ray/Caliper/SP/TDLT/CNL/ML
TD to Base Surface Casing
- Cement Bond Log / Gamma Ray:
TD to Base of Surface Casing or Top of Cement if below Base of Surface Casing

Stimulation: A stimulation or frac treatment will be designed for completion of this well based on openhole log analysis. The drill site, as approved, will be sufficient size to accommodate all completion activities.

7. Abnormal Conditions:

No abnormal temperatures or pressures are anticipated. No H₂S has been encountered or known to exist from previous wells drilled to similar depths in the general area.

Maximum anticipated bottom hole pressure equals approximately 3,130 psi (calculated at 0.52 psi/foot of hole) and maximum anticipated surface pressure equals approximately 1,806 psi (anticipated bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot of hole).

8. Anticipated Starting Dates:

- Anticipated Commencement Date- Within one year of APD issue.
- Drilling Days- Approximately 10 days
- Completion Days - Approximately 10 days
- Anticipate location construction within 30 days of permit issue.

9. Variances:

None anticipated

10. **Other:**

A Cultural Resource Inventory and Paleontology reconnaissance shall be conducted for the well location, access route and pipeline. The reports shall be submitted to the Division of Oil, Gas and Mining and the School and Institutional Trust lands Administration upon their receipt.

**Enduring Resources, LLC
Bonanza #5-20-9-25
SWNW Sec. 20 T9S-R25E
Uintah County, Utah
Lease # ML-45558**

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Directions to the proposed location are as follows:

PROCEED IN AN EASTERLY, THEN SOUTHERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 3.9 MILES TO THE JUNCTION OF STATE HIGHWAY 45; EXIT RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 36.5 MILES ON STATE HIGHWAY 45 TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 3.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.25 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING TWO-TRACK ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION APPROXIMATELY 46.15 MILES IN A SOUTHEASTERLY DIRECTION.

2. Planned Access Roads:

The proposed access road will be approximately 3/10ths of a mile of new construction approximate 584' (ON-LEASE) and 1,000' OFF-LEASE (BLM). Access to the proposed new access road will be by using existing roads. The first 1/4 mile of road after leaving Stanton Road is bladed, ditched and crowned, no upgrading is anticipated. The 1.4 miles of road before reaching the takeoff point of the new access road to be constructed, will need to be upgraded (bladed, ditched and crowned). Please refer to Topo Map "B" for the takeoff point for the new OFF-LEASE and ON-LEASE road construction.

The proposed access road will be utilized to transport personnel, equipment and supplies to and from the proposed well site during drilling, completion and production operations. The road will be utilized year round.

The access road will be crowned 2% to 3%, ditched and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet right-of-way. Maximum grade of road is 5% or less. Graveling or capping the roadbed will be performed as necessary to provide a well constructed, safe road. No fence crossings, culverts, turnouts, cattle guards or major cuts and fills are required. Prior to construction or

upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

Surface disturbance and vehicular traffic will be limited to the proposed location and proposed access route. Any additional area needed will be approved in advance. All construction shall be in conformance with the standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. 1989.

The road surface and shoulders will be kept in a safe usable condition and will be maintained in accordance with the original construction standards. All drainage ditches will be kept clear and free flowing and will be maintained according to original construction standards. The access road surface will be kept free of trash during operations. All traffic will be confined to the approved disturbed surface. Road drainage crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the road bed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided. When snow is removed from the road during the winter months, the snow shall be pushed outside of the borrow ditches and the turnouts kept clear so that snowmelt will be channeled away from the road.

3. **Location of Existing Wells within a One-Mile radius (See "Topo" Map "C" attached):**

The following wells are wells located within a one (1) mile radius of the proposed location.

- | | | |
|----|-------|---|
| a. | None: | Water Wells: |
| b. | None: | Injection Wells: |
| c. | One: | Producing Wells: (Hoss #15, API#: 43-047-34756,
SWSE of Sec. 20, T9S-R25E. |
| d. | None: | Drilling Wells: |
| e. | None: | Shut-in Wells: |
| f. | None: | Temporarily Abandoned Wells: |
| g. | None: | Disposal Wells: |
| h. | None: | Abandoned Wells: |
| i. | None: | Dry Holes: |
| j. | None: | Observation Wells: |

4. **Location of Existing and/or Proposed Facilities:**

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes

will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank and be independent of the back cut.

All permanent (on site for six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the rocky Mountain Five State Inter-Agency Committee

All facilities will be painted within 6 months of installation. The color shall be Carlsbad Canyon (2.5Y 6/2). Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Gas Gathering Pipeline:

- | | | | |
|----|-----------|--------|-----------------------|
| a. | ON-LEASE | 2,103' | State of Utah (SITLA) |
| b. | OFF-LEASE | 1,300' | BLM |

If the well is capable of economic production, a surface gas gathering line and related equipment shall be installed. The surface gas gathering line shall be in use year round. A total of approximately 3,403 feet of surface gas gathering pipeline shall be laid on the surface to minimize surface disturbance:

- | | | |
|----|-----------|---|
| a. | ON-LEASE | approximately 2,103 feet (4 inch or less diameter steel), and |
| b. | OFF-LEASE | approximately 1,300 feet (4 inch or less diameter steel). |

The proposed pipeline will begin at the well site; continue northeasterly to tie-in into an existing pipeline. The line will be welded together and pulled from the well site location and tie-in point when practical; however, it may be necessary to utilize the access road for welding of the line. The line will then be boomed off to the side of the road. The gas meter run will be located within 500 feet of the wellhead. The meter run will be housed. The gas gathering line will be buried or anchored down from the wellhead to the meter.

Upon plugging and abandonment, the gas gathering line will be removed and the disturbed area will be re-contoured and restored as near as practical to the original condition. If necessary, re-seeding operations will be performed after completion of other reclamation operations.

5. Location and Type of Water Supply:

Water will be obtained from the White River by Tu and Frum, Inc. Water User Claim #49-2185, Application #T75517, or by Target Trucking Water User Claim #43-2195, or by Dalbo Inc. Water User Claim #43-8496

Water will be hauled to the location over the roads marked on "Topo" Maps "A" and "B."

No water well is to be drilled on this lease.

6 Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized for location and access road construction.

Any gravel will be obtained from a commercial source; however, gravel sized rock debris associated with location and access road construction may be used as access road surfacing material.

7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break or allow discharge of liquids.

The reserve pit will be lined with ¼ inch felt and a minimum of 16 mm plastic with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

A chemical portable toilet will be furnished with the drilling rig. The toilet will be replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

Garbage, trash and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported or disposed of in association with the drilling, completion or testing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported or disposed of in association with the drilling, completion or testing of this well.

Produced oil will be stored in an oil tank and then hauled by truck to a crude purchaser facility. Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to an approved disposal site.

8 Ancillary Facilities:

During drilling operations, approximately 20 days, the site will be a manned camp. Three or four additional trailers will be on location to serve as the crews' housing and eating facilities. These will be located on the perimeter of the pad site within the topsoil stockpiles. Refer to Sheet 4.

9. Well Site Layout: (Refer to Sheets #2, #3, and #4)

The attached Location Layout Diagrams described drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s) and surface material stockpiles(s).

Please see the attached diagram for rig orientation and access roads.

The top soil will be windrowed rather than piled. It will be reseeded and track walker at the time the location is constructed. Seeding will be with the determined during the onsite. (Refer to "Seed Mixture for Windrowed Top Soil Will included:" following herein.

The top soil removed from the pit area will be store separately and will not be reseeded until the pit is reclaimed.

All pits shall be fence to the following minimum standards:

- a. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- b. The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches over the new wire. Total height of the fence shall be at least 42 inches.
- c. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- d. Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two fence posts shall be no greater than 16 feet.
- e. All wire shall be stretched by, using a stretching device, before it is attached to corner posts.
- f. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.
- g. Location size may change prior to drilling the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling, the location will be re-surveyed and a Form 9 will be submitted.

10. Plans for Surface Reclamation:

Producing Location:

- a. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, materials, trash and debris not required for production.
- b. Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 40CFR 3162.7.
- c. Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.
- d. The reserve pit and that portion of the location not needed for production facilities/operations will be re-contoured to the approximated natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.
- e. To prevent surface water(s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface 3 feet above surrounding round surface to allow the reclaimed pit area to drain effectively.
- f. Upon completion of back filling, leveling and re-contouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

- a. Abandoned well sites, roads and other disturbed areas will be restored as nearly as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions and re-establishment of vegetation as specified.
- b. All disturbed surfaces will be re-contoured to the approximated natural contours with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. If necessary, re-seeding operations will be performed after completion of other reclamation operations.

Seed Mixture for Windrowed Top Soil Will Included:

The appropriate surface management agency will be contacted for the required seed mixture and dates.

11. Surface Ownership: Location, Access and Pipeline Route:

Wellsite: State of Utah School and Institutional Trust Lands Administration

Access: State of Utah School and Institutional Trust Lands Administration, and Bureau of Land Management

Pipeline: State of Utah School and Institutional Trust Lands Administration, and Bureau of Land Management

12. Other Information

Wildlife Stipulations:

Wildlife stipulations and possible activity restrictions will be detailed in the conditions of approval" received with an approved Permit to Drill. Operator will comply with these wildlife stipulations, if any.

Archeology:

A Cultural Resource Inventory Report is being conducted for the well location, access route and pipeline. The report shall be submitted to the Division of Oil, Gas and Mining and the School and Institutional Trust Lands Administration upon its receipt.

Paleontology:

A Paleontology Reconnaissance Report is being conducted for the well location, access route and pipeline. The report shall be submitted to the Division of Oil, gas and Mining and the School and Institutional Trust Lands Administration upon its receipt.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the Antiquities Act of June 8, 1906) are discovered, all operations which would affect such sites will be suspended and the discovery reported promptly to the surface management agency.

All lease operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, and the approved Plan of Operations and all applicable Notice to Lessees. The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved Application for Permit to Drill will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

ENDURING RESOURCES, LLC
BONANZA #5-20-9-25
SECTION 20, T9S, R25E, S.L.B.&M.

PROCEED IN AN EASTERLY, THEN SOUTHERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 3.9 MILES TO THE JUNCTION OF STATE HIGHWAY 45; EXIT RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 36.5 MILES ON STATE HIGHWAY 45 TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 3.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.25 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING TWO-TRACK ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 46.15 MILES.

ENDURING RESOURCES, LLC

BONANZA #5-20-9-25

LOCATED IN UINTAH COUNTY, UTAH

SECTION 20, T9S, R25E, S.L.B.&M.

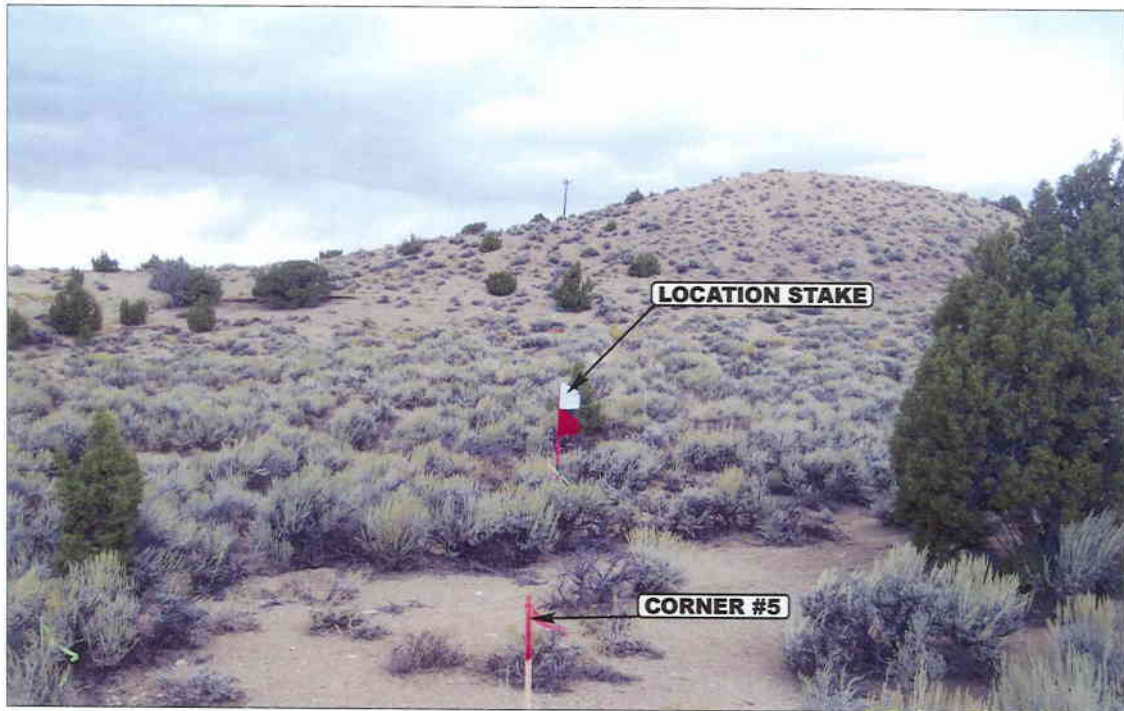


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: WESTERLY



UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

09 13 05
MONTH DAY YEAR

PHOTO

TAKEN BY: N.H.

DRAWN BY: C.P.

REVISED: 00-00-00

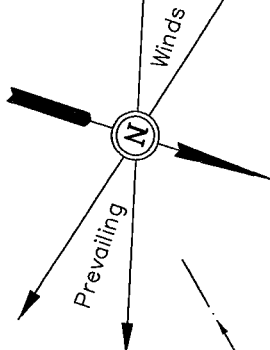
ENDURING RESOURCES, LLC

LOCATION LAYOUT FOR

BONANZA #5-20-9-25
SECTION 20, T9S, R25E, S.L.B.&M.
1952' FNL 472' FWL

FIGURE #1

Proposed Access Road



SCALE: 1" = 50'
DATE: 09-19-05
Drawn By: P.M.

NOTE:

Flare Pit is to be located a min. of 100' from the Well Head.

Approx. Toe of Fill Slope

F-14.1'
El. 54.9'

F-18.7'
El. 50.3'

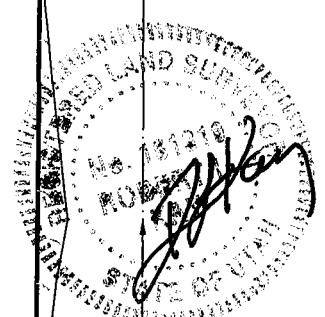
F-13.8'
El. 55.2'

F-0.5'
El. 68.5'

Sta. 3+45

NOTE:

Earthwork Calculations Require a Fill of 4.0' @ the Location Stake For Balance. All Fill is to be Compacted to a Minimum of 95% of the Maximum Dry Density Obtained by AASHTO Method t-99.



Flare Pit
20' WIDE DIKE
35'

F-1.7'
El. 67.3'

F-6.4'
El. 62.6'

F-4.0'
El. 65.0'

El. 67.7'
C-10.7'
(btm. pit)

Sta. 1+65

C-7.4'
El. 76.4'

Reserve Pit Backfill & Spoils Stockpile

15' WIDE BENCH/DIKE

Total Pit Capacity
W/2' of Freeboard
= 12,540 Bbls ±
Total Pit Volume
= 3,390 Cu. Yds

Sta. 0+43

El. 74.4'
C-17.4'
(btm. pit)

20' WIDE BENCH

C-18.3'
El. 87.3'

C-17.1'
El. 86.1'

C-16.3'
El. 85.3'

Sta. 0+00

C-12.2'
El. 81.2'

NOTES:

Elev. Ungraded Ground At Loc. Stake = 5665.0'

FINISHED GRADE ELEV. AT LOC. STAKE = 5669.0'

Topsoil Stockpile

Approx. Top of Cut Slope

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

ENDURING RESOURCES, LLC

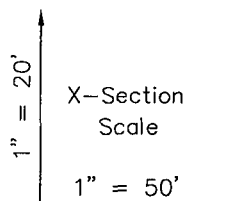
FIGURE #2

TYPICAL CROSS SECTIONS FOR

BONANZA #5-20-9-25

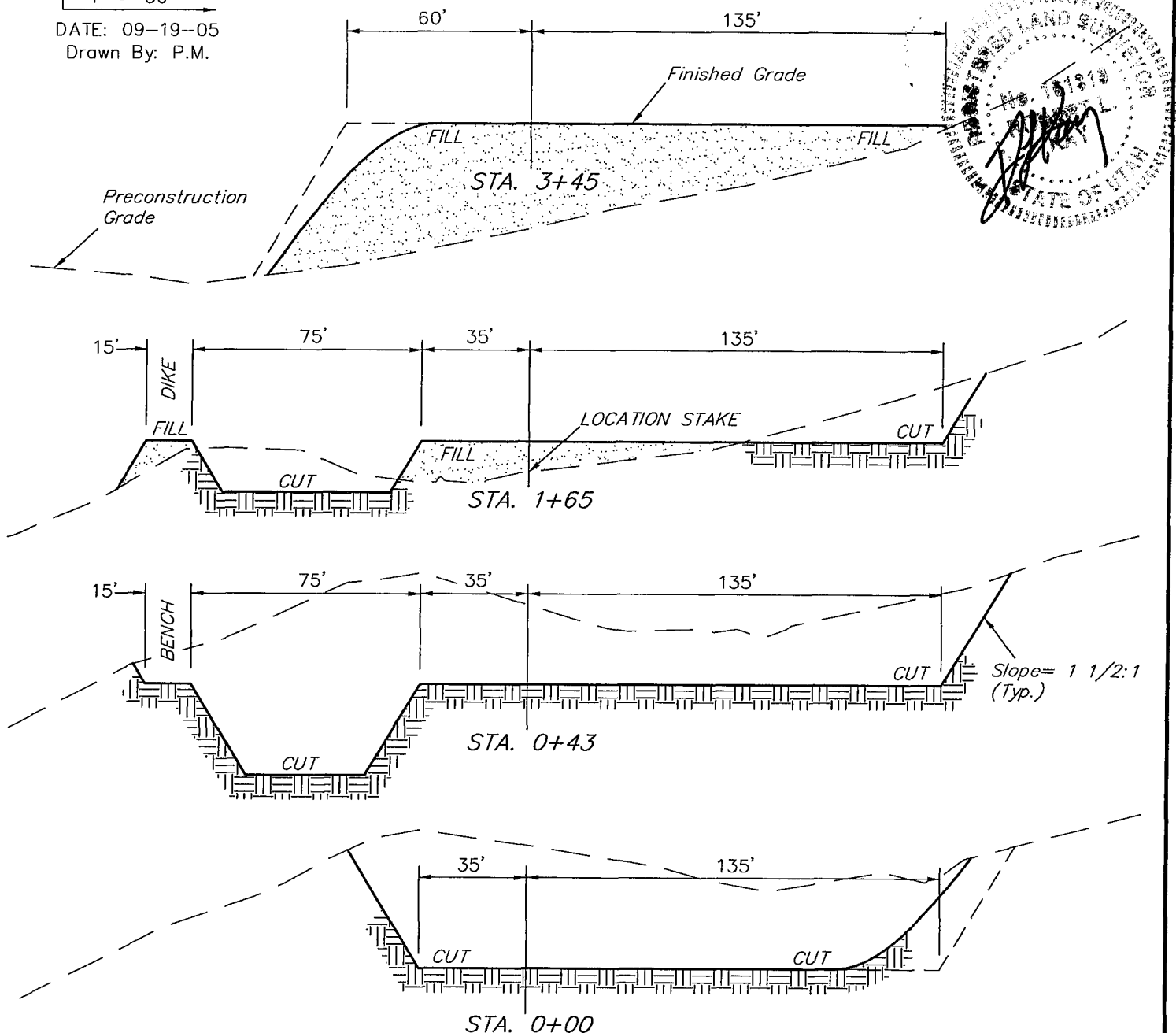
SECTION 20, T9S, R25E, S.L.B.&M.

1952' FNL 472' FWL



DATE: 09-19-05

Drawn By: P.M.



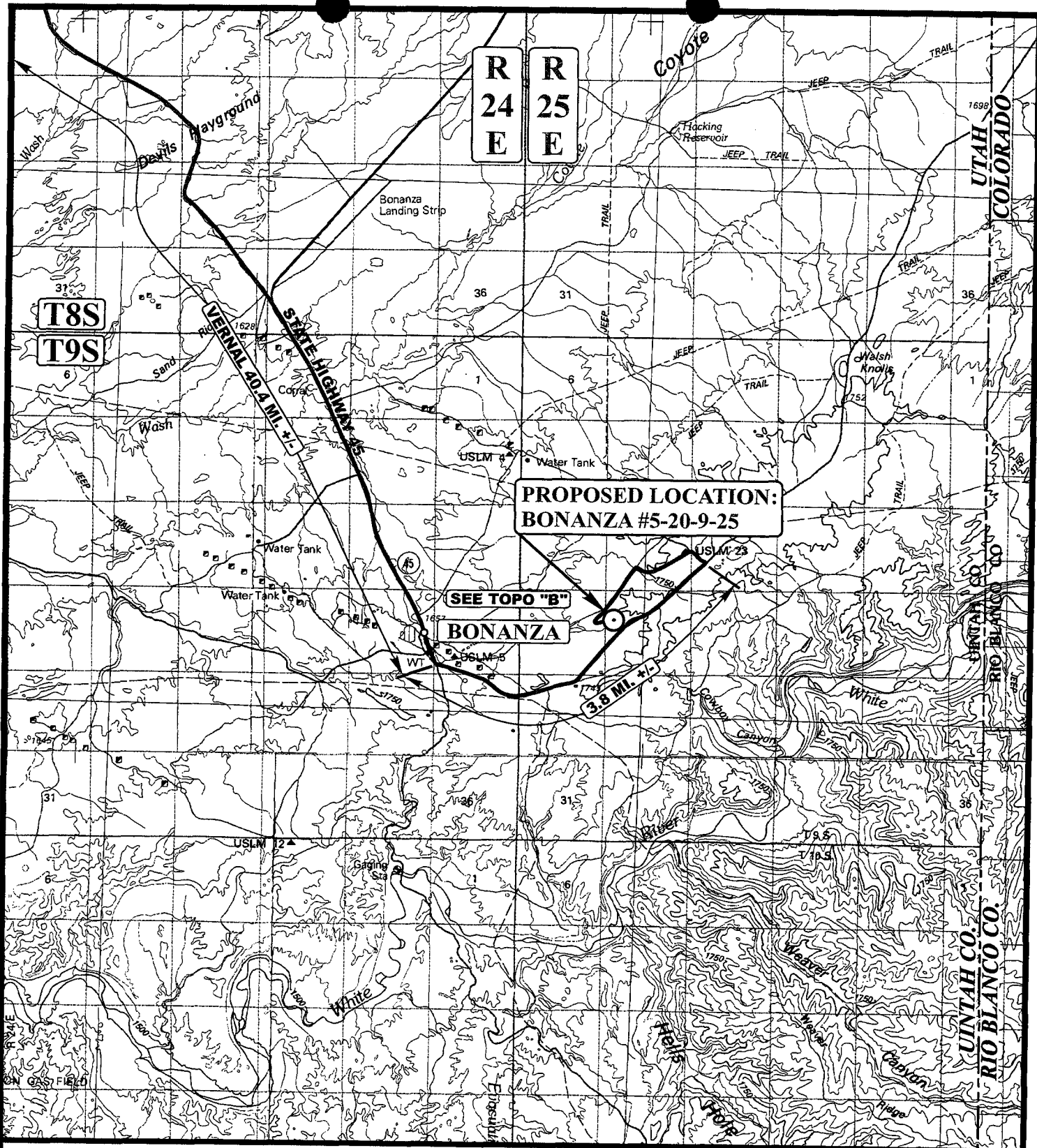
* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,920 Cu. Yds.
Remaining Location	= 14,130 Cu. Yds.
TOTAL CUT	= 16,050 CU.YDS.
FILL	= 12,430 CU.YDS.

EXCESS MATERIAL	= 3,620 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,620 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.

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LEGEND:

○ PROPOSED LOCATION

N

ENDURING RESOURCES, LLC

BONANZA #5-20-9-25

SECTION 20, T9S, R25E, S.L.B.&M.

1952' FNL 472' FWL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

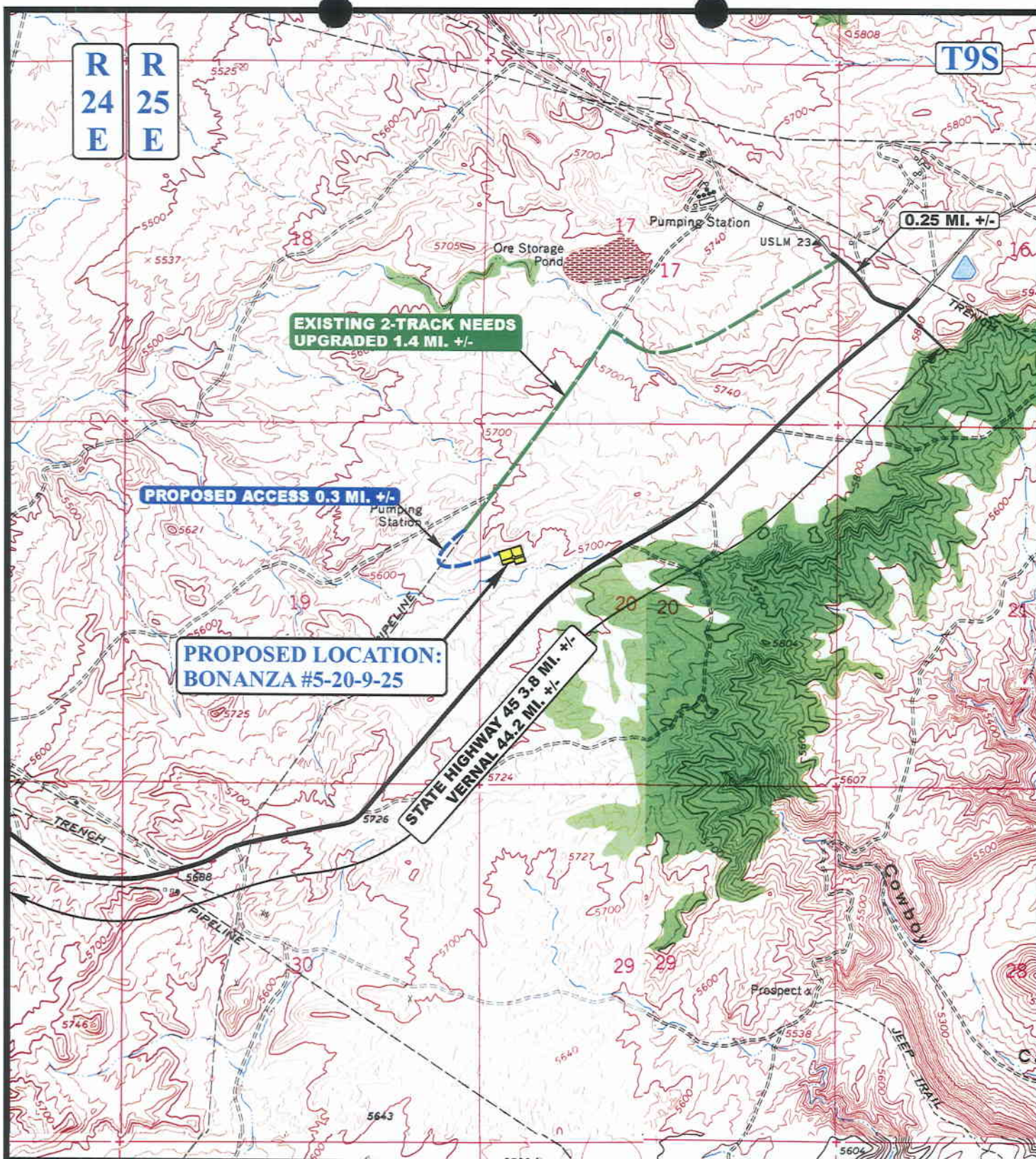
09 13 05
MONTH DAY YEAR

SCALE: 1:100,000

DRAWN BY: C.P.

REVISED: 00-00-00





LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK NEEDS UPGRADED

ENDURING RESOURCES, LLC

BONANZA #5-20-9-25
SECTION 20, T9S, R25E, S.L.B.&M.
1952' FNL 472' FWL



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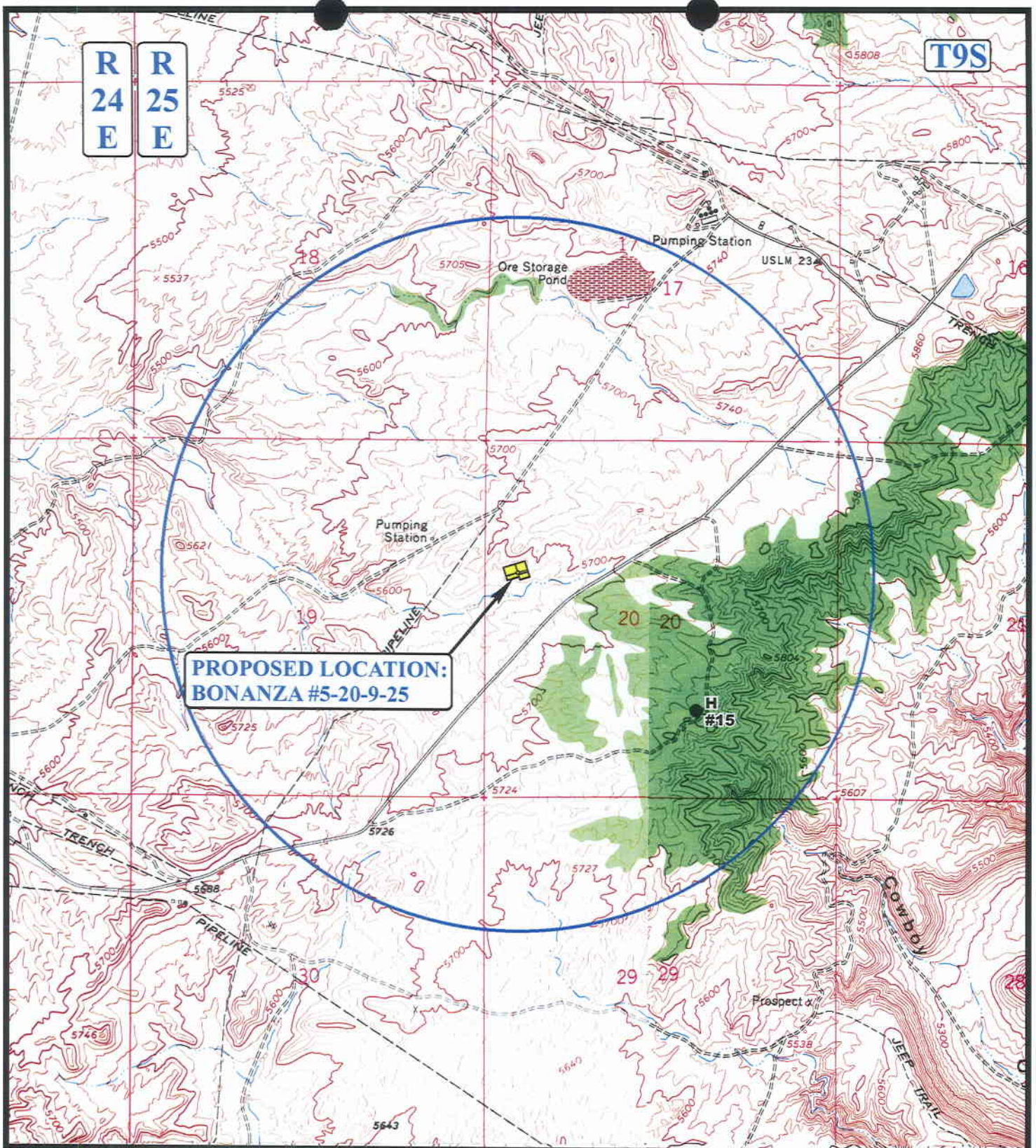


TOPOGRAPHIC
MAP

09 13 05
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00

B
TOPO



**PROPOSED LOCATION:
BONANZA #5-20-9-25**

LEGEND:

- | | |
|-------------------|-------------------------|
| ⊘ DISPOSAL WELLS | ⊘ WATER WELLS |
| ● PRODUCING WELLS | ● ABANDONED WELLS |
| ● SHUT IN WELLS | ● TEMPORARILY ABANDONED |

ENDURING RESOURCES, LLC

**BONANZA #5-20-9-25
SECTION 20, T9S, R25E, S.L.B.&M.
1952' FNL 472' FWL**



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85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

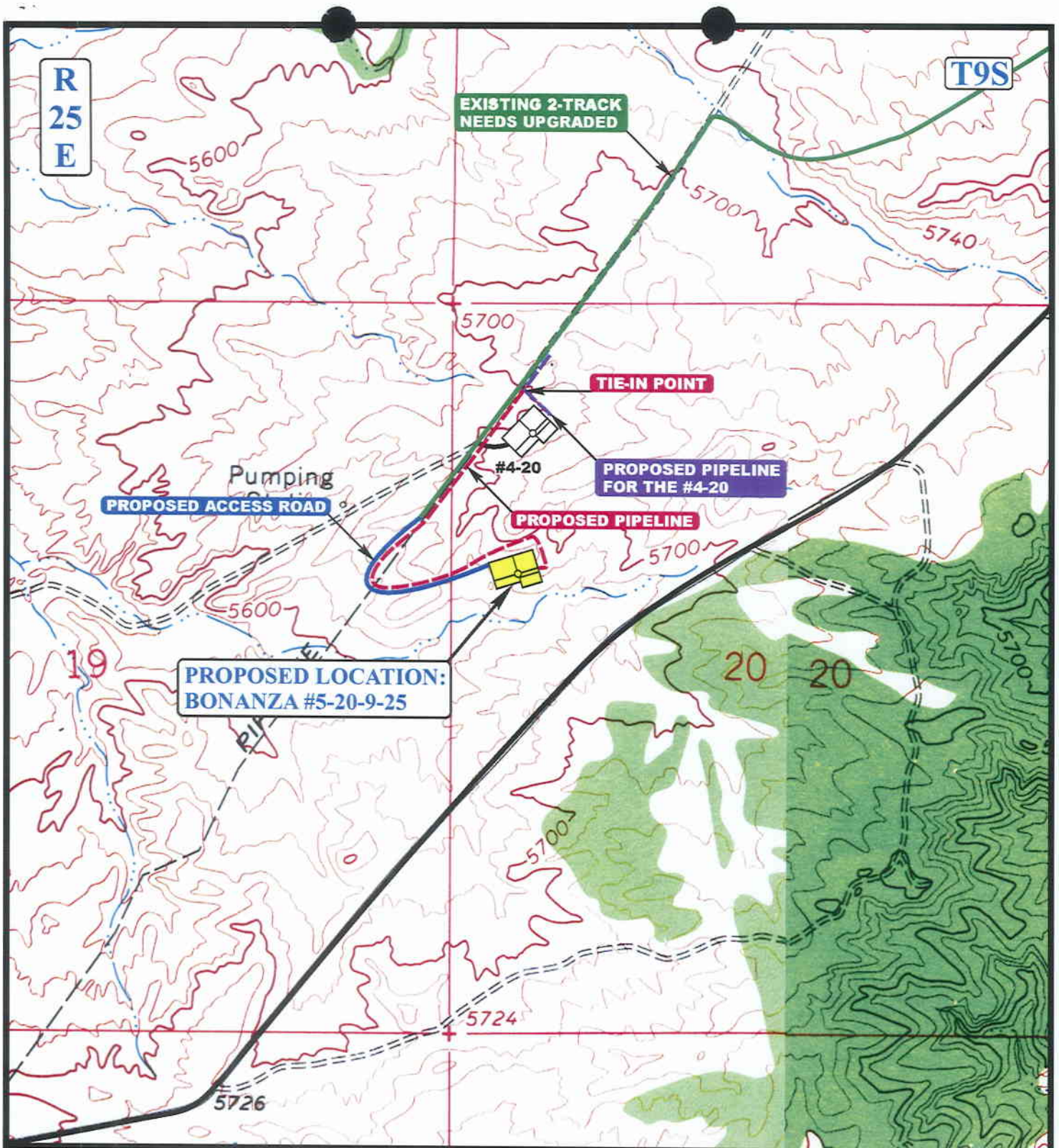


**TOPOGRAPHIC
MAP**

09 13 05
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 3,403' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- - - - PROPOSED PIPELINE
- - - - PROPOSED PIPELINE (SERVICING OTHER WELLS)

ENDURING RESOURCES, LLC

BONANZA #5-20-9-25

SECTION 20, T9S, R25E, S.L.B.&M.

1952' FNL 472' FWL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



TOPOGRAPHIC
MAP

09 13 05
 MONTH DAY YEAR

SCALE: 1" = 1000'

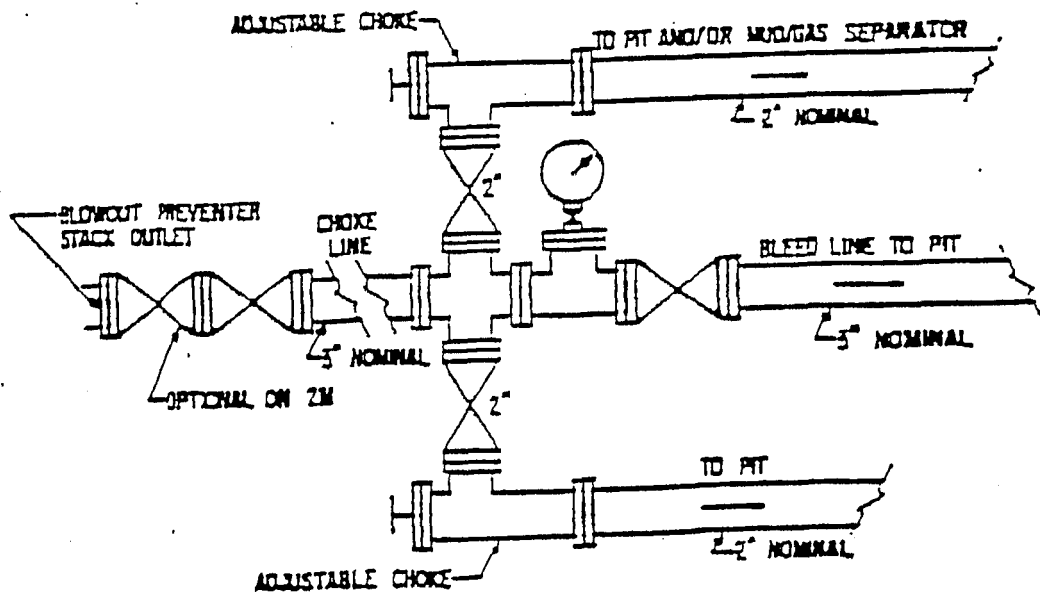
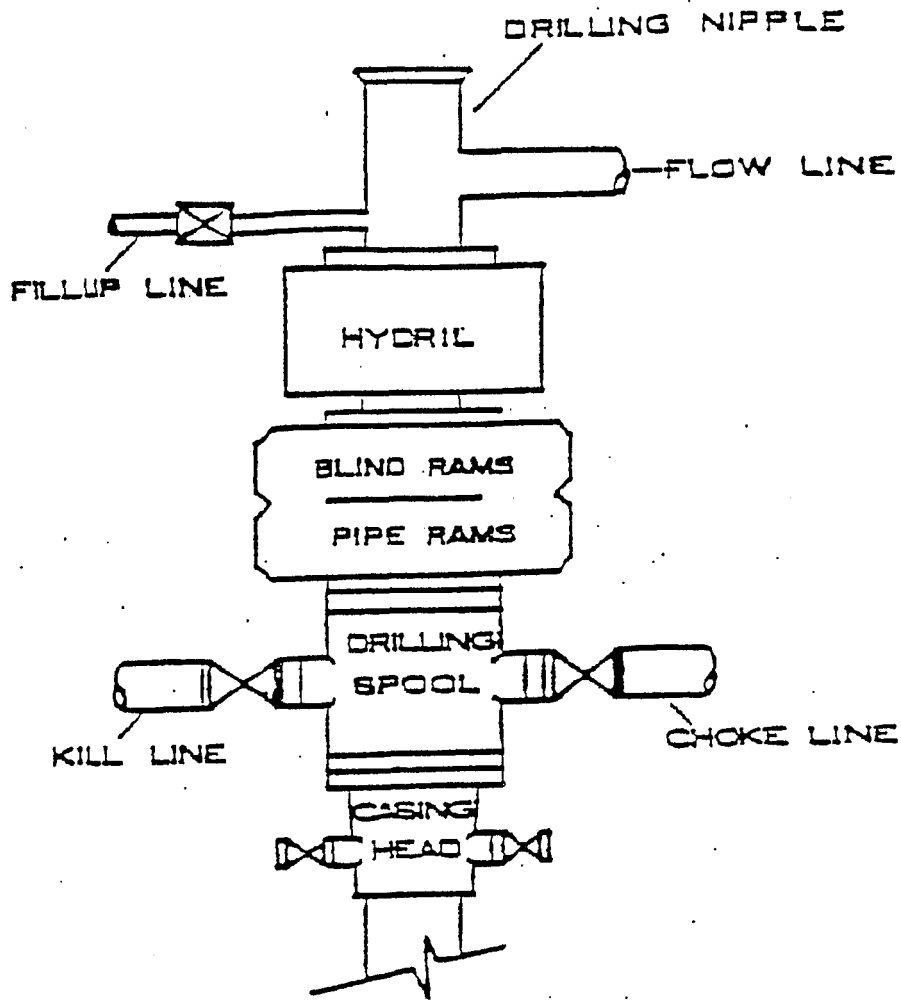
DRAWN BY: C.P.

REVISED: 00-00-00

D
TOPO

3,000 PSI

EOP STACK



WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/24/2005

API NO. ASSIGNED: 43-047-37314

WELL NAME: BONANZA 5-20-9-25

OPERATOR: ENDURING RESOURCES, LLC (N2750)

CONTACT: ALVIN ARLIAN

PHONE NUMBER: 303-350-5114

PROPOSED LOCATION:

SWNW 20 090S 250E

SURFACE: 1952 FNL 0472 FWL

BOTTOM: 1952 FNL 0472 FWL

UINTAH

WILDCAT (1)

LEASE TYPE: 3 - State

LEASE NUMBER: ML-45558

SURFACE OWNER: 3 - State

PROPOSED FORMATION: MVRD

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DGD	11/29/05
Geology		
Surface		

LATITUDE: 40.02328

LONGITUDE: -109.1319

RECEIVED AND/OR REVIEWED:

- ☒ Plat
- ☒ Bond: Fed[] Ind[] Sta[] Fee[]
(No. ELB0008051)
- ☒ Potash (Y/N)
- ☒ Oil Shale 190-5 (B) or 190-3 or 190-13
- ☒ Water Permit
(No. 43-8496)
- ☒ RDCC Review (Y/N)
(Date: _____)
- ☒ Fee Surf Agreement (Y/N)
- ☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

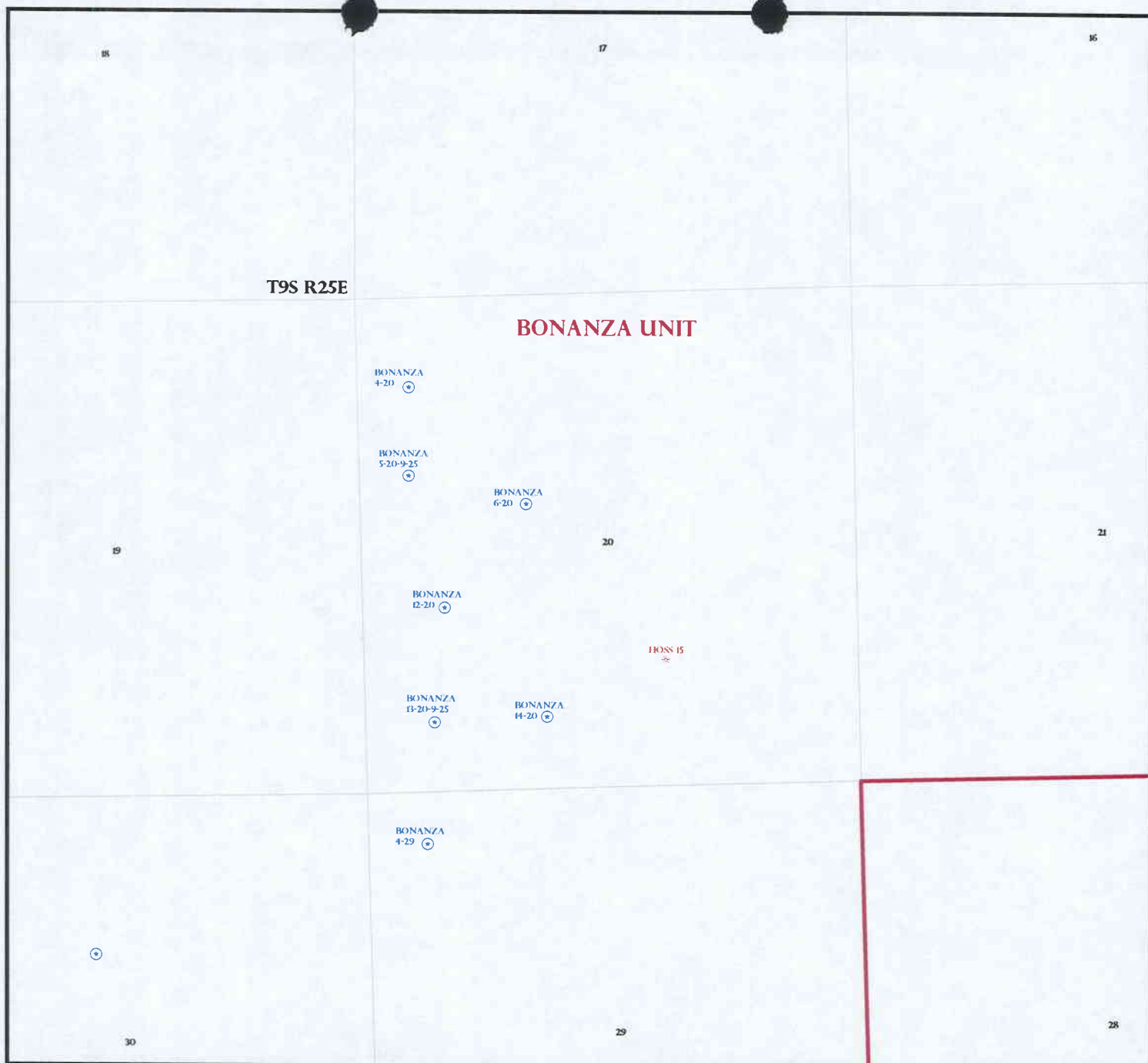
- ☐ R649-2-3.
- Unit BONANZA
- ☒ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- ☐ R649-3-3. Exception
- ☐ Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
- ☐ R649-3-11. Directional Drill

COMMENTS:

Needs Permit (11-09-05)

STIPULATIONS:

- 1- Spacing Stip
- 2- STATEMENT OF BASIS
- 3- Surface Csg Cont Stip



OPERATOR: ENDURING RES LLC (N2750)

SEC: 20 T. 9S R. 25E

FIELD: WILDCAT (001)

COUNTY: UNITAH

SPACING: R649-3-2 / GENERAL SITING

Field Status

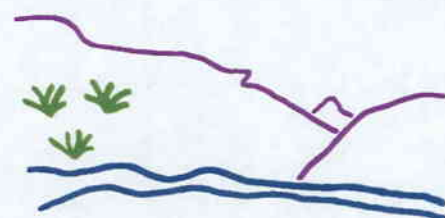
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY
DATE: 26-OCTOBER-2005

DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS

OPERATOR: ENDURING RESOURCES, LLC.
WELL NAME & NUMBER: Bonanza 5-20-9-25
API NUMBER: 43-047-37314
LOCATION: 1/4,1/4 SW/NW sec: 20 TWP: 09S RNG: 25E 472' FWL 1,952 FNL

Geology/Ground Water:

Enduring proposes to set 2,000' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 5,700'. This is near the proposed TD and should be isolated by the production string casing and cement. A search of Division of Water Rights records shows no water well within a 10,000 foot radius of the center of Section 20. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of lenticular sandstones interbedded with shales and is expected to have limited value as an aquifer. The Green river Formation should be found approximately 200 feet below the surface. The Green River Formation may contain useable aquifers but they should be adequately protected by the proposed casing and cementing program.

Reviewer: Brad Hill **Date:** 11-23-05

Surface:

The predrill investigation of the surface was performed on 11/09/2005. This site is on State surface, with State minerals, and appears to be the best site for a location in the immediate area.

Ben Williams with DWR and Ed Bonner with SITLA were invited to this investigation on 11/01/2005. Both were present. Mr. Williams had no concerns regarding the construction of this location or drilling and operation of this well as it relates to the wildlife values in the area. Mr. Williams presented Mr. Hammond, representing Enduring Resources and Mr. Bonner, a UDWR recommended seed mix to be used when reserve pit and location are reclaimed.

No significant stability problems are anticipated with the drilling and operation of a well on this proposed site.

Reviewer: Floyd Bartlett **Date:** 11/17/2005

Conditions of Approval/Application for Permit to Drill:

1. A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.

ON-SITE PREDRILL EVALUATION
Division of Oil, Gas and Mining

OPERATOR: ENDURING RESOURCES, LLC.

WELL NAME & NUMBER: Bonanza 5-20-9-25

API NUMBER: 43-047-37314

LEASE: ML-45558 **FIELD/UNIT:** Bonanza

LOCATION: 1/4, 1/4 SW/NW sec: 20 TWP: 09S RNG: 25E 472' FWL 1,952 FNL

LEGAL WELL SITING: 460 F SEC. LINE; 460 F 1/4, 1/4 LINE; 920 F ANOTHER WELL.

GPS COORD (UTM): 659412 X 4431802 Y **SURFACE OWNER:** STATE OF UTAH

PARTICIPANTS

Floyd Bartlett (DOGM), Doug Hammond, (Enduring Resources), Ben Williams (UDWR), Mike Stewart (Enduring Resources Construction Supervisor), Ed Bonner (SITLA).

REGIONAL/LOCAL SETTING & TOPOGRAPHY

The proposed Bonanza 5-20-9-25 well lies in a gentle swale underneath higher knolls to the north and east. Drainage is to the southwest. Outcrops of sandstone surface on the east part of the location.

The location is approximately 3 miles east of Bonanza, Utah, which is approximately 43 miles southeast of Vernal, Utah. Access is by State of Utah highways and Uintah County roads to an existing two track road which will be upgraded for 1.4 miles. A new road, 0.3 mile in length will be constructed to the location.

SURFACE USE PLAN

CURRENT SURFACE USE: Wildlife, winter grazing for domestic sheep and hunting.

PROPOSED SURFACE DISTURBANCE: Upgrading 1.4 miles of existing 2-track road and construction of 0.3 mile of new access road; a well pad 345' x 210' plus reserve pit and soil stockpile storage outside the described area.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: See attached map from GIS database.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production facilities will be on location and added after drilling well. Pipeline will follow access road to tie-in point.

SOURCE OF CONSTRUCTION MATERIAL: All construction material will be borrowed from site during construction of location.

ANCILLARY FACILITIES: None will be required.

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST OR CONCERNS? EXPLAIN: Unlikely. Oilfield activity is common in the area and along with gilsonite mining is the dominant use.

WASTE MANAGEMENT PLAN:

Drilled cuttings will be settled into reserve pit. Liquids from pit will be allowed to evaporate. Formation water will be confined to storage tanks. Commercial contractor will handle sewage facilities, storage and disposal. Trash will be contained in trash baskets and hauled to an approved landfill.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: None

FLORA/FAUNA: Big sagebrush, cheat grass, juniper, rabbit brush, annual mustard, snake broomweed, sitanion hystrix; pronghorn antelope, rabbits, rodents, songbirds, raptors, elk, deer, bobcat, coyote.

SOIL TYPE AND CHARACTERISTICS: light brown deep sandy loam. Some surface rock present. A sandstone bedrock outcrop exists on the east side of the location.

EROSION/SEDIMENTATION/STABILITY: A small drainage through the location will be diverted north around the proposed pad. The reserve pit is primarily within a cut area. No stability problems are anticipated with the construction and operation of the location.

PALEONTOLOGICAL POTENTIAL: Surveyed by ICP, on 10-12-2005. Report submitted to SITLA.

RESERVE PIT

CHARACTERISTICS: 150' by 75' and 12' deep. The reserve pit is planned primarily within an area of cut. No stabilization problems are expected.

LINER REQUIREMENTS (Site Ranking Form attached): A liner will be required for reserve pit. Sensitivity score of 25, rating as Level I, Highly Sensitive. Operator said they would install a 16 mil. Liner with a ½" felt subliner.

SURFACE RESTORATION/RECLAMATION PLAN

AS PER SITLA.

SURFACE AGREEMENT: AS PER SITLA.

CULTURAL RESOURCES/ARCHAEOLOGY: Site was inspected by MOAC Archeological Consultants on 10/18/2005. A report of this investigation will be placed on file.

OTHER OBSERVATIONS/COMMENTS

Ben Williams representing the UDWR, stated the area is classified as high value yearlong habitat for antelope and limited value yearlong habitat for deer. He did not recommend any restrictions to the

operator.

ATTACHMENTS

Photos of site have been taken and placed on file.

Floyd Bartlett
DOGM REPRESENTATIVE

11/09/2005 10:15 AM
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>20</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of hazardous constituents	20	<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>

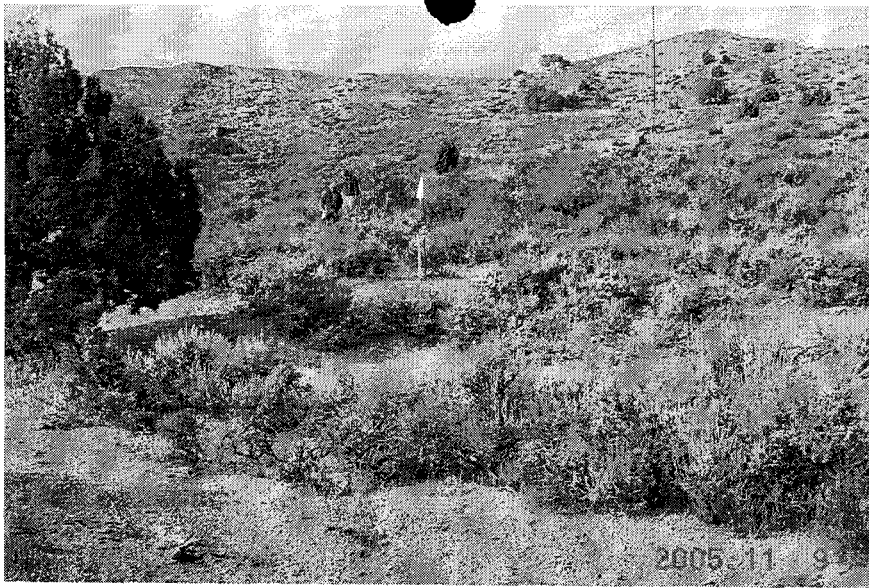
Final Score 25 (Level I Sensitivity)

Sensitivity Level I = 20 or more: total containment is required.

Sensitivity Level II = 15-19: lining is discretionary.

Sensitivity Level III = below 15: no specific lining is required.

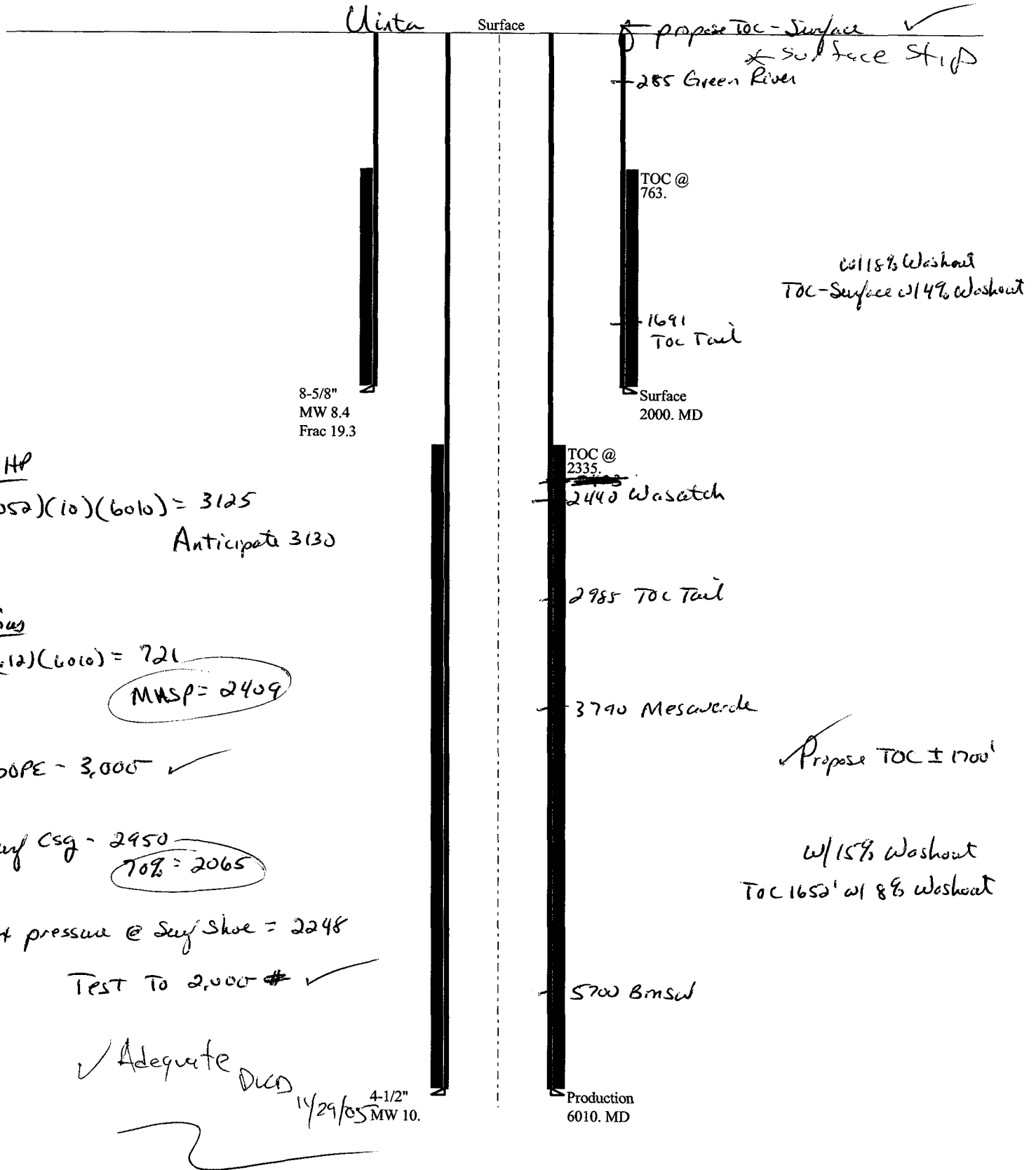




2005-11 94

11-05 Enduring Bonanza 5-20-9-25

Casing Schematic



Well name:	11-05 Enduring Bonanza 5-20-9-25	
Operator:	Enduring Resources, LLC	Project ID:
String type:	Surface	43-047-37314
Location:	Uintah County, Utah	

Design parameters:
Collapse

Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Minimum design factors:
Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 93 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 299 ft

Cement top: 763 ft

Burst

Max anticipated surface pressure: 500 psi
Internal gradient: 0.436 psi/ft
Calculated BHP 1,372 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 1,748 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 6,010 ft
Next mud weight: 10.000 ppg
Next setting BHP: 3,122 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,000 ft
Injection pressure 2,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2000	8.625	24.00	J-55	ST&C	2000	2000	7.972	96.3

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	873	1370	1.570	1372	2950	2.15	48	244	5.08 J

Prepared by: Clinton Dworshak
Utah Div. of Oil & Mining

Phone: (801) 538-5281
FAX: (801)359-3940

Date: November 29,2005
Salt Lake City, Utah

ENGINEERING STIPULATIONS -

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	11-05 Enduring Bonanza 5-20-9-25	
Operator:	Enduring Resources, LLC	
String type:	Production	Project ID: 43-047-37314
Location:	Uintah County, Utah	

Design parameters:
Collapse

Mud weight: 10.000 ppg
Design is based on evacuated pipe.

Minimum design factors:
Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 149 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 2,335 ft

Burst

Max anticipated surface pressure: 500 psi
Internal gradient: 0.436 psi/ft
Calculated BHP 3,122 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Non-directional string.

Tension is based on air weight.
Neutral point: 5,112 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	6010	4.5	11.60	N-80	LT&C	6010	6010	3.875	139.3

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3122	6350	2.034	3122	7780	2.49	70	223	3.20 J

Prepared by: Clinton Dworshak
Utah Div. of Oil & Mining

Phone: (801) 538-5281
FAX: (801)359-3940

Date: November 29,2005
Salt Lake City, Utah

ENGINEERING STIPULATIONS -

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

October 26, 2005

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2005 Plan of Development Bonanza Unit, Uintah County,
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2005 within the Bonanza Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
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(Proposed PZ MesaVerde)

43-047-37313 Bonanza 13-20-9-25 Sec 20 T09S R25E 0700 FSL 0700 FWL

43-047-37314 Bonanza 5-20-9-25 Sec 20 T09S R25E 1952 FNL 0472 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File – Bonanza Unit
Division of Oil Gas and Mining
Central files
Agr. Sec. Chron
Fluid Chron

From: Ed Bonner
To: Whitney, Diana
Date: 11/18/2005 10:10:11 AM
Subject: Well clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

Enduring Resources, LLC

Bonanza 5-20-9-25
Bonanza 13-20-9-25
Bonanza 5-30-9-25
Bonanza 6-30-9-25
Bonanza 11-30-9-25
Bonanza 12-30-9-25

The Houston Exploration Company

Asphalt Wash 5-16-11-24
Asphalt Wash 11-16-11-24

If you have any questions regarding this matter please give me a call.

CC: Garrison, LaVonne; Hill, Brad; Hunt, Gil



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

November 29, 2005

Enduring Resources, LLC
475 17th St., Ste 1500
Denver, CO 80202

Re: Bonanza 5-20-9-25 Well, 1952' FNL, 472' FWL, SW NW, Sec. 20,
T. 9 South, R. 25 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-37314.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
SITLA
Bureau of Land Management, Vernal District Office

Operator: Enduring Resources, LLC
Well Name & Number Bonanza 5-20-9-25
API Number: 43-047-37314
Lease: ML-45558

Location: SW NW Sec. 20 T. 9 South R. 25 East

Conditions of Approval

1. **General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. **Notification Requirements**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. **Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
7. Surface casing shall be cemented to the surface.

CONFIDENTIAL

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-45558
2. NAME OF OPERATOR: Enduring Resources, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: n/a
PHONE NUMBER: (303) 350-5719		8. WELL NAME and NUMBER: Bonanza 9-25-12-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1952' FNL - 472' FWL		9. API NUMBER: 4304737314
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 20 9S 25E S		10. FIELD AND POOL, OR WILDCAT: Undesignated
COUNTY: Uintah		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 10/4/2006	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Request for APD Extension
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Enduring Resources, LLC respectfully request an extension to the expiration date of this Application for Permit to Drill

FROM: 11/29/2006
TO: 11/29/2007

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 12-07-06
By: [Signature]

COPY SENT TO OPERATOR
Date: 12/7/06
Initials: [Signature]

NAME (PLEASE PRINT) Evette Bissett TITLE Regulatory Compliance Assistant
SIGNATURE [Signature] DATE 12/5/2006

(This space for State use only)

RECEIVED

DEC 07 2006

DIV. OF OIL, GAS & MINING

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304737314
Well Name: Bonanza 9-25-12-20
Location: 1952' FNL - 472' FWL, SWNW, Sec 20, T9S-R25E
Company Permit Issued to: Enduring Resources, LLC
Date Original Permit Issued: 11/29/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☐

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

Quetta Bissett
Signature

12/5/2006
Date

Title: Regulatory Compliance Assistant

Representing: Enduring Resources, LLC

**RECEIVED
DEC 07 2006**

DIV. OF OIL, GAS & MINING

CONFIDENTIAL

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:
ML-45558

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
n/a

7. UNIT or CA AGREEMENT NAME:
n/a

8. WELL NAME and NUMBER:
Bonanza 9-25-12-20

9. API NUMBER:
4304737314

10. FIELD AND POOL, OR WILDCAT:
Undesignated

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER _____

2. NAME OF OPERATOR:

Enduring Resources, LLC

3. ADDRESS OF OPERATOR:

475 17th Street, Suite 1500 CITY Denver

STATE CO

ZIP 80202

PHONE NUMBER:

(303) 350-5719

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1952' FNL - 472' FWL

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 20 9S 25E S

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will start:

☐ SUBSEQUENT REPORT
(Submit Original Form Only)

Date of work completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☒ OTHER: Request for APD
Extension

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Enduring Resources, LLC respectfully request an extension to the expiration date of this Application for Permit to Drill

FROM: 12/7/2007
TO: 12/7/2008

Approved by the
Utah Division of
Oil, Gas and Mining

The BLM has not yet granted an APD for this well.

Date: 12-06-07
By: [Signature]

NAME (PLEASE PRINT) Alvin R. (AI) Arlian

TITLE Landman - Regulatory Specialist

SIGNATURE [Signature]

DATE 11/29/2007

(This space for State use only)

COPY SENT TO OPERATOR

Date: 12-10-2007
Initials: [Signature]

(See Instructions on Reverse Side)

RECEIVED

DEC 05 2007

DIV. OF OIL, GAS & MINING



**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304737314
Well Name: Bonanza 9-25-12-20
Location: 1952' FNL - 472' FWL, SWNW, Sec 20, T9S-R25E
Company Permit Issued to: Enduring Resources, LLC
Date Original Permit Issued: 11/29/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☐

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒


Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐


Signature

11/29/2007
Date

Title: Landman - Regulatory Specialist

Representing: Enduring Resources, LLC

RECEIVED
DEC 05 2007
DIV. OF OIL, GAS & MINING



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

December 9, 2008

Al Arlian
Enduring Resources LLC
475 17TH Street, Ste. 1500
Denver, CO 80202

Re: APD Rescinded – Bonanza 5-20-9-25, Sec. 20, T. 9S, R. 25E
Uintah County, Utah API No. 43-047-37314

Dear Mr. Arlian:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on November 29, 2005. On December 7, 2006 and December 6, 2007, the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective December 6, 2008.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason
Environmental Scientist

cc: Well File
SITLA, Ed Bonner

